

# Power Cost Memorandum Fuel Cost Update

Date: April 1, 2021

Utility Name (Cert. No.) <b>Akiak Power Utilities (635)</b>	Utility File No. <b>PC49-0518D</b>	Date Filed: <b>February 23, 2021</b>
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PCE AMOUNT SUMMARY	Previously Approved PC49-0518C	Staff Recommended Amount(s) and Effective Date PC49-0518D
Class Rate	Date Approved: July 1, 2020	April 2, 2021
All	\$ 0.2263	\$ 0.1902
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent

Prior Fuel Purchase Price: \$ <u>3.5532</u>	New Fuel Purchase Price: \$ <b>3.0859</b>
<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____ Updated _____

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	-	X	3.5532	=	-
Delivered	112,345	X	3.0859	=	346,685.44
	<u>112,345</u>				<u>\$ 346,685.44</u>
					Weighted Average \$ 3.0859

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Signed: Brenda Cox  
Brenda Cox

Utility Financial Analyst

**Commission decision re. this recommendation :**

	Date (if different from 4/1/21)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
Kurber		<u>KK1</u>		
Scott		<u>AGS</u>		
Sullivan		<u>DS</u>		
Wilson		<u>JWW</u>		

*Special Instructions to Staff:*

\* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

# AKIAK POWER UTILITIES

APPENDIX 1

## POWER COST EQUALIZATION CALCULATION FOR TEST PERIOD ENDING DECEMBER 31, 2017 Fuel Cost Update

	PC49-0518C	PC49-0518D	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	1,203,407	1,203,407	1,203,407
B. Total kWh Sold (Appendix 2)	1,129,982	1,129,982	1,129,982
C. Total Non-Fuel Costs (Appendix 2)	175,954	175,954	175,954
D. <b>Non-Fuel Cost/kWh (C / B)</b>	<b>\$0.1557</b>	<b>\$0.1557</b>	<b>\$0.1557</b>
E. Total Fuel Costs (Appendix 2)	326,361	283,440	283,440
F. <b>Fuel Costs/kWh (E / B)</b>	<b>\$0.2888</b>	<b>\$0.2508</b>	<b>\$0.2508</b>
G. Eligible Costs/kWh (D + F)	\$0.4445	\$0.4065	\$0.4065
H. Eligible Cost/kWh (G) less base rate in effect	\$0.2382	\$0.2002	\$0.2002
I. Lesser of (H) or 79.37 cents/kWh	\$0.2382	\$0.2002	\$0.2002
J. Average Class Rates (Appendix 3) ALL	\$0.3237	\$0.3237	\$0.3237
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J) ALL	\$0.2263	\$0.1902	\$0.1902
L. <b>Funding Level in Effect</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>ALL</b>	<b>\$0.2263</b>	<b>\$0.1902</b>	<b>\$0.1902</b>

PC49-0518D  
Appendix 1

# AKIAK POWER UTILITIES

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY  
FOR TEST PERIOD ENDING DECEMBER 31, 2017

## Fuel Cost Update

			PC49-0518C	PC49-0518D	
			Prior Commission Approval	Per Utility	Per Staff
<b>Non-Fuel Costs:</b>					
A.	Personnel Costs		102,509	102,509	102,509
B.	Operating Expenses		12,953	12,953	12,953
C.	General & Administrative		57,842	57,842	57,842
D.	Depreciation		2,650	2,650	2,650
E.	Interest Expense		-	-	-
F.	Wasteheat In-Kind Revenues		-	-	-
G.	<b>Total Non-Fuel Costs</b>		<b>175,954</b>	<b>175,954</b>	<b>175,954</b>
<b>Fuel Costs:</b>					
H.	Gallons Consumed for Electric Generation		91,850	91,850	91,850
I.	Price of Fuel:( per gal) Weighted Average		\$3.5532	\$3.0859	\$3.0859
J.	<b>Total Cost of Fuel (H x I)</b>		<b>\$326,361</b>	<b>\$283,440</b>	<b>\$283,440</b>
K.	kWh Generated		1,203,407	1,203,407	1,203,407
L.	kWh Sales		1,129,982	1,129,982	1,129,982
M.	kWh Station Service		30,422	30,422	30,422
N.	Efficiency (K / H)	>= <u>Standard</u> 12.50	13.10	13.10	13.10
O.	Line Loss	<= 12.00%	3.57%	3.57%	3.57%
(kWh Generated - (kWh Sold + kWh Station Service))/kWh Generated					

PC49-0518D  
Appendix 2

## Calculation of Average Class Rate per kWh

Rate Schedule: ALL

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - \$0.2063 /kWh
500	0.5300	0.0000	0.5300	265.00		
500				265.00	0.5300	0.3237
<b>TOTAL (A)</b>				<b>(E)</b>		

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